Appln. No. : 10/808,127

Page : 2

## In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

- 1. (previously presented) An energy management system comprising:
- a longitudinally extending beam having a front face that extends in a longitudinal direction of the beam, a first side wall and a second side wall;

the first side wall having a first U-shaped section spaced from the front face; and the second side wall having a second U-shaped section spaced from the front face; wherein the first side wall rolls to enlarge the first U-shaped section and the second side wall rolls to enlarge the second U-shaped section during an impact force directed against the front face of the beam.

- (original) The energy management system of claim 1, further including: an energy absorber located adjacent the front face of the beam.
- (original) The energy management system of claim 1, wherein: the beam includes a front beam portion and a rear beam portion.
- (original) The energy management system of claim 3, wherein: the front beam portion and the rear beam portion are integral.
- (original) The energy management system of claim 4, wherein: the front beam portion and the rear beam portion have a uniform thickness.
- (original) The energy management system of claim 3, wherein:
   the front face, the first side wall and the second side wall are on the front beam portion.

Appln. No. : 10/808,127

Page: 3

(original) The energy management system of claim 3, wherein:
 the front beam portion and the rear beam portion are mechanically connected.

- (original) The energy management system of claim 7, wherein:
   a fastener mechanically connects the front beam portion to the rear beam portion.
- (original) The energy management system of claim 3, wherein: the front beam portion and the rear beam portion are welded together.
- 10. (original) The energy management system of claim 3, wherein:

a first one of the front beam portion and the rear beam portion includes a first pair of side flanges and a second one of the front beam portion and the rear beam portion includes a second pair of side flanges.

11. (original) The energy management system of claim 10, wherein:

the second pair of side flanges are crimped over the first pair of side flanges to connect the front beam portion to the rear beam portion.

- (original) The energy management system of claim 10, wherein:
   the first pair of side flanges and the second pair of side flanges are welded together.
- 13. (original) The energy management system of claim 3, wherein:

the front beam portion is comprised of a first material and the rear beam portion is comprised of a second material; and

the first material is different than the second material.

14. (original) The energy management system of claim 3, wherein: the front face, the first side wall and the second side wall are on the front beam portion; the rear beam portion includes a first side leg and a second side leg; and

Appln. No. : 10/808,127

Page: 4

the first side leg of the rear beam portion overlaps the first side wall of the front beam portion and the second side leg of the rear beam portion overlaps the second side wall of the front beam portion.

15. (original) The energy management system of claim 1, wherein:

the first side wall and the second side wall each include a plurality of ribs to strengthen the first side wall and the second side wall to prevent buckling of the first side wall and the second side wall during the impact force directed against the front face of the beam.

- (original) The energy management system of claim 1, wherein:
   the first U-shaped section and the second U-shaped section extend outwardly.
- 17. (previously presented) An energy management system comprising:

a longitudinally extending beam having a front face that extends in a longitudinal direction of the beam, a first side wall and a second side wall;

an energy absorber located adjacent the front face of the beam; and

mounts engaging a rear of the beam for connecting the beam to a vehicle;
the first side wall having a first U-shaped section spaced from the front face; and
the second side wall having a second U-shaped section spaced from the front face;
wherein the first side wall rolls to enlarge the first U-shaped section and the second side
wall rolls to enlarge the second U-shaped section during an impact force directed against the
front face of the beam.

- 18. (original) The energy management system of claim 17, wherein: the beam includes a front beam portion and a rear beam portion.
- (original) The energy management system of claim 18, wherein: the front beam portion and the rear beam portion are integral.

Appln. No. : 10/808,127

Page : 5

(original) The energy management system of claim 19, wherein:
 the front beam portion and the rear beam portion have a uniform thickness.

- (original) The energy management system of claim 18, wherein:
   the front face, the first side wall and the second side wall are on the front beam portion.
- (original) The energy management system of claim 18, wherein:
   the front beam portion and the rear beam portion are mechanically connected.
- (original) The energy management system of claim 22, wherein:
   a fastener mechanically connects the front beam portion to the rear beam portion.
- 24. (original) The energy management system of claim 18, wherein: the front beam portion and the rear beam portion are welded together.
- 25. (original) The energy management system of claim 18, wherein: a first one of the front beam portion and the rear beam portion includes a first pair of side flanges and a second one of the front beam portion and the rear beam portion includes a second pair of side flanges.
- 26. (original) The energy management system of claim 25, wherein: the second pair of side flanges are crimped over the first pair of side flanges to connect the front beam portion to the rear beam portion.
- 27. (original) The energy management system of claim 25, wherein: the first pair of side flanges and the second pair of side flanges are welded together.

Appln. No. : 10/808,127

Page : 6

28. (original) The energy management system of claim 18, wherein:

the front beam portion is comprised of a first material and the rear beam portion is comprised of a second material; and

the first material is different than the second material.

29. (original) The energy management system of claim 18, wherein:

the front face, the first side wall and the second side wall are on the front beam portion; the rear beam portion includes a first side leg and a second side leg; and

the first side leg of the rear beam portion overlaps the first side wall of the front beam portion and the second side leg of the rear beam portion overlaps the second side wall of the front beam portion.

(original) The energy management system of claim 17, wherein:

the first side wall and the second side wall each include a plurality of ribs to strengthen the first side wall and the second side wall to prevent buckling of the first side wall and the second side wall during the impact force directed against the front face of the beam.

- (original) The energy management system of claim 17, wherein:
   the first U-shaped section and the second U-shaped section extend outwardly.
- 32. (previously presented) An energy management system comprising:

a longitudinally extending beam including a first beam portion and a second beam portion, a first one of the first beam portion and the second beam portion having a first face that extends in a longitudinal direction of the beam, a first side wall and a second side wall, a second one of the first beam portion and the second beam portion having a second face;

the first side wall having a first U-shaped section spaced from the first face that extends in a longitudinal direction of the beam; and

the second side wall having a second U-shaped section spaced from the first face;

Appln. No. : 10/808,127

Page: 7

wherein the first side wall rolls to enlarge the first U-shaped section and the second side wall rolls to enlarge the second U-shaped section during an impact force directed against the first face of the first beam portion or the second face of the second beam portion.

33. (original) The energy management system of claim 32, wherein:

the first one of the first beam portion and the second beam portion is the first beam portion;

the second one of the first beam portion and the second beam portion is the second beam portion; and

the first side wall rolls to enlarge the first U-shaped section and the second side wall rolls to enlarge the second U-shaped section during an impact force directed against the first face of the first beam portion.

- (original) The energy management system of claim 33, further including: an energy absorber located adjacent the front face of the first beam portion.
- (original) The energy management system of claim 32, wherein: the first beam portion and the second beam portion are integral.
- 36. (original) The energy management system of claim 32, wherein: the first beam portion and the second beam portion have a uniform thickness.
- 37. (original) The energy management system of claim 32, wherein: the front face, the first side wall and the second side wall are on the first beam portion.
- (original) The energy management system of claim 32, wherein:
   the first beam portion and the second beam portion are mechanically connected.

Appln. No. : 10/808,127

Page: 8

39. (original) The energy management system of claim 38, wherein:

a fastener mechanically connects the first beam portion to the second beam portion.

40. (original) The energy management system of claim 32, wherein:

the first beam portion and the second beam portion are welded together.

41. (original) The energy management system of claim 32, wherein:

the first beam portion includes a first pair of side flanges and the second beam portion includes a second pair of side flanges.

42. (original) The energy management system of claim 41, wherein:

the second pair of side flanges are crimped over the first pair of side flanges to connect the first beam portion to the second beam portion.

43. (original) The energy management system of claim 41, wherein:

the first pair of side flanges and the second pair of side flanges are welded together.

44. (original) The energy management system of claim 32, wherein:

the first beam portion is comprised of a first material and the second beam portion is comprised of a second material; and

the first material is different than the second material.

45. (original) The energy management system of claim 32, wherein:

the front face, the first side wall and the second side wall are on the first beam portion;

the second beam portion includes a first side leg and a second side leg; and

the first side leg of the second beam portion overlaps the first side wall of the first beam portion and the second side leg of the second beam portion overlaps the second side wall of the first beam portion.

Appln. No. : 10/808,127

Page : 9

46. (original) The energy management system of claim 32, wherein:

the first side wall and the second side wall each include a plurality of ribs to strengthen the first side wall and the second side wall to prevent buckling of the first side wall and the second side wall during the impact force directed against the first face of the first beam portion or the second face of the second beam portion.

47. (original) The energy management system of claim 32, wherein:

the first U-shaped section and the second U-shaped section extend outwardly.

48. (previously presented) The energy management system of claim 1, wherein:

the first U-shaped section includes a first mouth opening in a direction substantially perpendicular to a longitudinal direction of the beam; and

the second U-shaped section includes a second mouth opening in the direction substantially perpendicular to the longitudinal direction of the beam.

49. (previously presented) The energy management system of claim 1, wherein:

the first U-shaped section includes a first mouth opening in a direction towards the front face of the beam; and

the second U-shaped section includes a second mouth opening in the direction towards the front face of the beam.

50. (previously presented) The energy management system of claim 17, wherein:

the first U-shaped section includes a first mouth opening in a direction towards the front face of the beam; and

the second U-shaped section includes a second mouth opening in the direction towards the front face of the beam.

Appln. No. : 10/808,127

Page : 10

51. (previously presented) The energy management system of claim 32, wherein: the first U-shaped section includes a first mouth opening in a direction towards the first face of the beam; and

the second U-shaped section includes a second mouth opening in the direction towards the first face of the beam.

- (previously presented) The energy management system of claim 1, wherein:
   the first side wall and the second side wall are substantially parallel.
- (previously presented) The energy management system of claim 17, wherein: the first side wall and the second side wall are substantially parallel.
- (previously presented) The energy management system of claim 32, wherein:
   the first side wall and the second side wall are substantially parallel.
- 55. (currently amended) The energy management system of claim 1, wherein: the first side wall and the second side wall extend laterally from the front face, the beam being longer in a-the longitudinal direction than in a lateral direction.
- 56. (currently amended) The energy management system of claim 17, wherein: the first side wall and the second side wall extend laterally from the front face, the beam being longer in a-the longitudinal direction than in a lateral direction.
- 57. (currently amended) The energy management system of claim 32, wherein: the first side wall and the second side wall extend laterally from the front face, the beam being longer in a-the longitudinal direction than in a lateral direction.
- 58. (previously presented) The energy management system of claim 1, wherein: the first side wall and the second side wall are substantially parallel and the front wall extends between and covers an area between the first side wall and the second side wall.

Appln. No. : 10/808,127

Page : 11

59. (previously presented) The energy management system of claim 17, wherein:

the first side wall and the second side wall are substantially parallel and the front wall extends between and covers an area between the first side wall and the second side wall.

60. (previously presented) The energy management system of claim 32, wherein:

the first side wall and the second side wall are substantially parallel and the front wall extends between and covers an area between the first side wall and the second side wall.

- (previously presented) The energy management system of claim 1, wherein: the first side wall is spaced from and does not contact the second side wall.
- (previously presented) The energy management system of claim 17, wherein:
   the first side wall is spaced from and does not contact the second side wall.
- (previously presented) The energy management system of claim 32, wherein: the first side wall is spaced from and does not contact the second side wall.